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BUZZARDS BAY PROJECT

Buzzards Bay

Technical Resource Manual: A Reference for Buzzards Bay Communities

Southeastern Regional Planning and Economic Development District

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TECHNICAL RESOURCE MANUAL: A REFERENCE FOR BUZZARDS BAY COMMUNITIES

AUGUST 1987

Credits

Compiled, with additional text, by Susan R. Moor and William S. Napolitano

--SRPEDD--

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This report was prepared by the Southeastern Regional Planning and Economic Development District (SRPEDD), with funding from the U.S. Environmental Protection Agency Buzzards Bay Project.

This report represents the technical results of an investigation funded by the Buzzards Bay Project. The results and conclusions contained herein are those of the author(s). These conclusions have been reviewed by competent outside reviewers and found to be reasonable and legitimate based on the available data. The Management Committee of the Buzzards Bay Project accepts this report as technically sound and complete. The conclusions do not necessarily represent the recommendations of the Buzzards Bay Project. Final recommendations for resource management actions will be based upon the results of this and other investigations.

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David A. Fierra

David Fierra, Chairman, Management Committee
Environmental Protection Agency

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INTRODUCTION

This resource manual was developed to direct local governments to sources of technical assistance available to aid in their dealing with water quality issues. The manual contains sources of information, funding, and planning assistance for communities pursuing water management plans or implementing water quality related bylaws. The manual has been divided into sections covering: federal and state agencies, regional resource management and planning agencies, local resource conservation organizations, educational organizations, and funding sources.

As development pressures and the responsibilities of local boards continue to increase, local planning will require a greater degree of sophistication. Municipalities are faced with having to expend additional funds for staff to local boards which are overburdened with regulatory responsibilities. Communities are in need of managers or planners to coordinate the activities of the many part-time boards and conduct long-range plans. This increased demand on municipal governments will be difficult to meet. Now more than ever, it is necessary for communities to pool their resources and combine efforts (ex.: shared planners or conservation agents, joint town committees). Greater communication and exchange of information is needed to allow municipalities to learn from each others' successes and failures and to prevent duplication of efforts. It is hoped that this manual will be used by local officials to seek out assistance and funding to improve the effectiveness of local water quality controls.

I. FEDERAL AND STATE REGULATORY, INFORMATION, AND ENFORCEMENT AGENCIES

MASSACHUSETTS COASTAL ZONE MANAGEMENT OFFICE (MCZM)
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
Saltonstall State Office Building Room 2006
100 Cambridge Street
Boston, MA 02202

Phone: (617) 727-9530 (answered 9:00-5:00)

Hours: 9:00-4:30 by appointment

Profile: Works to implement the approved Massachusetts Coastal Zone Management Program, which consists of 27 policies concerned with coastal land and water management, port and harbor development, water quality, recreation, public access, coastal development, etc.

Newsletter: "Coastlines", 12/year, free.

MASSACHUSETTS COASTAL ZONE MANAGEMENT SOUTHEAST REGIONAL AND CAPE COD OFFICES
Marion Town Hall, Second Floor, Marion, MA 02738 (Southeast)
First District Courthouse, Barnstable, MA 02630 (Cape Cod)

Phone: (617) 748-3600 (Southeast)
(617) 362-2511 ext. 477 (Cape Cod)

Hours: 9:00-5:00, Monday-Friday

Profile: The regional office serves the coastal communities of Buzzards Bay and Mount Hope Bay by providing a link between local decision makers, the MCZM Office in Boston, and a variety of state and federal agencies. Services include: technical assistance, federal consistency review, natural area protection, support for waterfront facilities through the Coastal Facilities Improvement Program, and information through publications and workshops.

Contact: Susan Moor, Regional Coordinator (Southeast)
Jack Clarke, Regional Coordinator (Cape Cod)
Tom Fantozzi, EPA Buzzards Bay Technical Assistance(Southeast)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING (DEQE)
PUBLIC INFORMATION OFFICE
1 Winter Street, 10th Floor
Boston, MA 02108

Phone: (617) 292-5515

Hours: 9:00-5:00

Profile: Works to develop, administer, and enforce programs which regulate environmental quality in the Commonwealth. DEQE is part of the Massachusetts Executive Office for Environmental Affairs.

Subjects include environmental quality of air, surface water and groundwater, wetlands; hazardous waste; Red Tide and Paralytic Shellfish Poisoning.

Newsletter: "Profile", 12/year, free.

DEQE Divisions:

- Division of Air Quality
  (617) 292-5593

- Division of Environmental Analysis
  Lawrence Experiment Station
  (617) 682-5237

- Division of Hazardous Waste
  (617) 292-5589

- Division of Water Pollution Control
  (617) 292-5636

- Division of Water Supply
  (617) 292-5765

- Division of Wetlands and Waterways
  (617) 292-9655

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING (DEQE)
DIVISION OF WETLANDS AND WATERWAYS
One Winter Street, Boston, MA 02108
Lakeville Hospital, Lakeville, MA 02346 (Southeast Region)

Phone: (617) 292-5695 and (617) 292-5518 (8:30-4:00)
(617) 947-1231 (Southeast Region)

Hours: 8:45-5:00

Profile: Regulates activities in or near wetlands and floodplains, enforces environmental regulations, educates municipal decision makers, and develops public policy on land development.

Serves as trustee of public submerged lands; provides technical assistance in the form of publications, education programs, and regulatory advisory services.

Newsletter: "Wetlands Report", 4/year, free

Contact: Mary Smith, Administrative Assistant; DEQE, Public Affairs Director; Robert Fagen, Southeast

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (DEM)
100 Cambridge Street
Boston, MA 02202

Phone: (617) 727-3160

Hours: 9:00-5:00

Profile: Responsibilities include: protection of the Commonwealth's water resources; acquisition, development, and management of the State forests and parks; and development of regional recreational facilities.

Contact: Rodney Brown, Coastal Planner

DEM Divisions:

- Bureau of Solid Waste Disposal
  (617) 727-3260
- Division of Administration and Planning
  (617) 727-3160
- Division of Forests and Parks
  (617) 727-3180
- Division of Water Resources
  (617) 727-3267

MASSACHUSETTS DEPARTMENT OF FISHERIES, WILDLIFE
AND ENVIRONMENTAL LAW ENFORCEMENT
100 Cambridge Street, Room 2108
Boston, MA 02202

Phone: (617) 727-3190 and (617) 727-0882 (recording)

Hours: 9:00-5:00 Monday-Friday

Profile: Works to protect public health and safety, ensures public compliance of management regulations designed to protect the environment, and registers and maintains records of all boats and recreational vehicles.

Offers boating safety education, hunter safety education, recreational vehicle safety education, and educational lectures on divisional responsibilities.

Contact: Sam Ameen, Chief Coastal Enforcement; Willis Collyer, Deputy Chief Coastal Enforcement.

MASSACHUSETTS DEPARTMENT OF FISHERIES, WILDLIFE AND ENVIRONMENTAL LAW
ENFORCEMENT, DIVISION OF FISHERIES AND WILDLIFE
Field Headquarters
Westboro, MA 01581

Phone: (617) 366-4479 and (617) 366-4470

Hours: 8:00-4:30 Monday-Friday

Profile: Works to conserve and manage the Commonwealth's fish and wildlife resources.

Offers advisory services for fish and wildlife questions and problems, in-house library of journals and books for public on-site use, materials and programs for teachers, and free or low-cost publications and news from MDPW (press releases).

Newsletter: "Massachusetts Wildlife", 4/year, $6.

Contact: Ellie Horwitz, Chief, Information and Education; Peter Mirick, Information Specialist.

MASSACHUSETTS DIVISION OF MARINE FISHERIES (CENTRAL OFFICE)
Leverett Saltonstall Building
100 Cambridge Street
Boston, MA 02202

Phone: (617) 727-3193
(617) 888-1155 (Southeast Office--Sandwich)

Hours: 8:45-5:00 Monday-Friday

Profile: Works to manage and conserve the living marine resources of Massachusetts, and promote the commercial and recreational industries which they support.

Activities include licensing fishermen and dealers; regulatory enforcement through the Division of Law Enforcement; conducting applied marine research; and technical, educational, legal, and environmental information and analytic services.

Contact: Terry O'Hara, Seafood Marketing Specialist; Arne Carr, Fisheries Technology Specialist; Jack Fiske, Southeast Office.

MASSACHUSETTS DIVISION OF MARINE FISHERIES
CAT COVE MARINE LABORATORY
92 Fort Avenue
Salem, MA 01970

Phone: (617) 745-3113 and (617) 745-3107

Hours: 8:00-4:00

Profile: Conducts research and management of commercial and recreational fisheries. Establishing base-line data on marine environmental contaminants. Collection and dissemination of fisheries statistics.

Provides selected fishery statistics, use of library, and information and advisory services on a wide variety of marine fisheries and marine environmental matters.

Contact: Charles Anderson, Senior Marine Fisheries Biologist

NATIONAL ENVIRONMENTAL SATELLITE DATA AND INFORMATION SERVICE (NOAA)
NEW ENGLAND LIAISON OFFICE
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Phone: (617) 548-1400 ext. 2497 and (617) 559-5279

Hours: 8:00-4:00

Profile: Works to achieve and disseminate marine environmental data derived from research conducted in coastal and open ocean waters.

Offers data selection from archive files, and referral to other data and information sources. All manner of oceanographic data are available: biological, chemical, geological, physical, and meteorological.

Contact: George Heimerdinger, Northeast Regional Representative

NATIONAL MARINE FISHERIES SERVICES (NOAA)
NORTHEAST REGIONAL OFFICE
14 Elm Street
Gloucester, MA 01930

Phone: (617) 281-3600

Hours: 8:00-4:30

Profile: Works to achieve optimum utilization of living marine resources for the benefit of the nation.

Issues permits for specific marine fishes in offshore (federal) waters, enforces laws and regulations for the taking of marine fishes and mammals, comments on proposed marine environmental alteration projects; publishes harvest statistics.

Contact: Regional Director

NATIONAL PARK SERVICE (DOI)
OFFICE OF SCIENTIFIC STUDIES
15 State Street
Boston, MA 02109

Phone: (617) 223-7765 and (617) 223-0191

Hours: 9:00-5:00

Profile: Works to manage national parks, monuments, seashores, recreation areas, and historical areas for resource preservation and compatible recreational use.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DIVISION
Technical Library-Building 116N
424 Trapelo Road
Waltham, MA 02554-9149

Phone: (617) 647-8237 and (617) 647-8118

Hours: 8:00-4:30 Monday-Friday

Profile: Works to plan, design, construct, operate, and maintain projects for navigation, beach erosion control, hurricane protection, flood control, streambank protection, urban developments, irrigation, and emergency response measures.

Activities include marine and coastal planning and recreation; boating; permitting; hydrology; water resources; regulatory enforcement; dredging-waste disposal; construction, design and engineering of waterways, dams, and harbors; technical and analytic services; legal information; regulatory enforcement; and human health and environmental information.

Newsletter: "New England Updates", 4/year, free.

Contact: Warren Nordman, Public Affairs Officer; Timothy P. Hays, Chief, Technical Library.

U.S. COAST GUARD PUBLIC AFFAIRS OFFICE
FIRST COAST GUARD DISTRICT
Captain John Foster Williams Coast Guard Building
408 Atlantic Avenue
Boston, MA 02210-2209

Phone: (617) 223-8515 (answered 24 hours)

Hours: 7:00-4:00

Profile: Works to enforce fishery laws and other federal statutes, prevents pollution and minimize its damage by environmental accident response measures, promotes safety for commercial and pleasure boaters, and prepared to perform military duties.

Provides search and rescue; aids to navigation; provides information on marine safety, navigation, water pollution, and oil spills.

Newsletter: "Firstword", 12/year, free.

Contact: Rich Griggs, Office Chief; Bob McLaughlin, Public Affairs Officer.

U.S. DEPARTMENT OF AGRICULTURE (see also SCS Conservation Districts, p.10-11)
SOIL CONSERVATION SERVICE
Massachusetts State Office
451 West Street
Amherst, Ma 01002

Phone: (413) 256-0441

Hours: 8:00-5:00 Monday-Friday

Profile: The soil conservation service is the nation's technical agency dedicated to the wise use of soil, water, and related resources. Objectives include: reducing soil erosion, preventing flood damage, conserving water, and improving water quality and land use.

Provides technical assistance to individuals, organizations, and government agencies in managing land-based natural resources; resource data and interpretive information; conservation planning and application assistance; and educational materials.

Newsletter: "SCS Current Developments", 4/year, free.

Contact: Deborah K. Johnson, Public Affairs Specialist; Willie Ruffin, Assistant State Conservationist.

U.S. ENVIRONMENTAL PROTECTION AGENCY
PUBLIC AFFAIRS OFFICE OR WATER MANAGEMENT DIVISION
JFK Federal Building
Boston, MA 02203

Phone: (617) 565-3424 (answered Public Affairs)
(617) 565-3518 (Water Management)

Hours: 8:30-5:00 Monday-Friday

Profile: Assumes responsibility for the federal government's major programs in air pollution, water pollution, waste management, drinking water, toxic substances, and pesticide control.

Provides technical information, educational information, film library, materials and services.

Newsletter: "EPA Environmental News"

Contact: Brooke Chamberlain-Cook, Director of Public Affairs; Garol Kilbride, Water Management Division.

U.S. FISH AND WILDLIFE SERVICE (DOI)
REGION 5 OFFICE
One Gateway Center, Suite 700
Newton Corner, MA 02158

Phone: (617) 965-5100 (answered 8:00-5:00)

Hours: 700-5:00 daily

Profile: Works to conserve, protect, and enhance fish, wildlife, and their habitats for the continuing benefit of the American people.

Provides advisory services, evaluates development projects on fish/wildlife resources, provides scientific data needed to conserve and manage fish/wildlife resources, and enforces federal laws protecting migratory birds and endangered species.

Contact: Inez Conner, Public Affairs Officer; Barbara Donlon, Assistant Public Affairs Officer.

U.S. GEOLOGICAL SURVEY (DOI)
BRANCH OF ATLANTIC MARINE GEOLOGY
Quisset Campus
Woods Hole, MA 02543

Phone: (617) 548-8700

Hours: 8:00-5:00 Monday-Friday

Profile: The goal of this branch is to develop a systematic understanding of the geologic setting and processes of the offshore areas of the United States. This program serves national need by extending our knowledge of where mineral and petroleum resources are. Offers research reports and geological data on offshore areas.

Contact: Branch Chief, Associate Branch Chief.

U.S. GEOLOGICAL SURVEY (DOI)
WATER RESOURCES DIVISION
Room 1309
150 Causeway Street
Boston, MA 02114

Phone: (617) 223-2822

Hours: 8:30-5:00 Monday-Friday

Profile: Works to appraise and describe the quantity and quality of the nation's water resources.

Provides information and educational materials, maps and reports, and computer retrieval of hydrologic data retrieval.

Contact: James D. Linney

U.S. GOVERNMENT PRINTING OFFICE
BOSTON BOOKSTORE
Room G25, John F. Kennedy Federal Building
Sudbury Street
Boston, MA 02203

Phone: (617) 223-6071 and (617) 223-6072

Hours: 8:00-4:00 Monday-Friday

Profile: Distributes U.S. Government Publications. Subjects include commercial fisheries, marine and coastal recreation, environments, permitting, safety and standards, natural history, marine industries, boating, and sports.

Newsletter: "U.S. Government Books", 4/year, free.

Contact: Bookstore Clerk.

II. REGIONAL RESOURCE MANAGEMENT, PLANNING, AND LAND USE

CAPE COD PLANNING AND ECONOMIC DEVELOPMENT COMMISSION
BARNSTABLE COUNTY
First District Courthouse
Barnstable, MA 02630

Phone: (617) 362-2511

Hours: 8:30-4:30 Monday-Friday

Profile: Provides information and assistance to all Cape Cod towns about land use planning, coastal planning, economic development, water quality, and transportation planning.

Offers educational materials and services, market and economic information, legal and environmental information, and regulatory enforcement services.

Contact: Armando Carbonell, Executive Director; David Hall, Senior Regional Planner.

CONSERVATION DISTRICTS

Profile: Conservation Districts' Boards of Supervisors and staff review soil, water, and related resource problems, and arrange for technical assistance to help communities and individuals use their natural resources to best advantage. A variety of services is offered to land users and communities including special programs, resource studies, workshops, seminars, demonstrations, and tours to promote an understanding of conservation and use of natural resources.

In southeastern Massachusetts, Conservation Districts are coterminous with county boundaries. District supervisors are elected to a five-year term by landowners in the county at annual meetings.

Conservation Districts and Boards of Supervisors in southeastern Massachusetts:

Contact: Bristol Conservation District, 21 Spring Street, 2nd Floor, Taunton, MA. 02780

Cape Cod Conservation District, 26 White Cap Lane, P.O. Box 500, W. Barnstable, MA 02668, tel. (617) 362-6327

Plymouth County Conservation District, 40-48 No. Main Street, Middleboro, MA 02346

ASSOCIATION FOR THE PRESERVATION OF CAPE COD (APCC)
P.O. Box 636
Orleans, MA 02653
(Street Address: 169 Route 6A)

Phone: (617) 255-4142

Hours: 9:00-4:00 Monday-Friday

Profile: Works to protect the Cape Cod environment and inform the public. Offers advisory service, referral, library, publications, lectures, and workshops.

Fee: Small fee for publications

Newsletter: "Shore Lines", 6/year, free to members

Contact: Esther A. Snyder, Executive Director; Elizabeth Price, Office Manager

BARNSTABLE CONSERVATION FOUNDATION
P.O. Box 700
Cotuit, MA 02635

Phone: (617) 428-4585 (director's home)
(617) 428-6755 (president's home)

Profile: Assists in the preservation of the rural character of the town of Barnstable, and maintains natural resources and wildlife areas within the town of Barnstable. Offers assistance to landowners in the preservation of our natural environment.

Newsletter: Free

Contact: Jaci Barton, Executive-Director; Bus Putnam, President

CENTER FOR COASTAL STUDIES
59 Commercial Street
P.O. Box 826
Provincetown, MA 02657

Phone: (617) 487-3622

Hours: 9:00-5:00 Monday-Friday

Profile: The center works to advance research and education in the coastal environment, to foster understanding and awareness of the complexities of coastal processes and systems, and to improve acceptance of underutilized fish species. It offers, by arrangement: multi-media presentations on whales, special programs on coastal environmental science (field trips, briefings, lectures, film presentations), graduate and undergraduate academic credits, an internship program, and a field station for research.

Newsletter: "Members Newsletter", 6/year, free to members

Contact: Joan Wall, Administrative Assistant; Charles Westcott, Business Manager

THE COALITION FOR BUZZARDS BAY
P.O. Box 268
Buzzards Bay, MA 02532
Office: Mass. Maritime Academy, Storer Building, Room 207

Phone: (617) 759-5761 ext. 334

Profile: The Coalition carries out public education programs and activities in the public interest and encourages the protection, conservation, and restoration of Buzzards Bay and related resources.

Newsletter: "Buzzards Bay Newsletter", contact The Lloyd Center, telephone (617) 990-0505

Contact: Marion (Mimi) McConnell, Executive Director; Dr. Susan Peterson, President

CITIZENS FOR WATERSHED PRESERVATION
42 Landing Road
Kingston, MA 02364

Phone: (617) 585-4533

Profile: CWP is interested in protecting and enhancing the Jones River Watershed, which is part of the South Coastal basin and includes Silver Lake. This watershed is shared by the towns of Halifax, Plympton, Pembroke, Kingston, Hanover, and Duxbury. The CWP seeks to educate the public on water resource issues, work towards greater public access to waterways, encourage responsible waterway activities, and clean up and preserve waterways in the basin.

Contact: Sara Altherr

CONSERVATION LAW FOUNDATION OF NEW ENGLAND, INC.
3 Joy Street
Boston, MA 02108

Phone: (617) 742-2540

Hours: 9:00-5:00 Monday-Friday

Profile: Works to preserve and enhance the natural resources of New England through legal processes. A non-profit environmental law firm. The services offered include legal and environmental information and counselling and regulatory enforcement, and administrative intervention and litigation.

Fee: Membership $25 per year

Contact: Emily Bateson, Program Director

DUCKS UNLIMITED, INC.
1 Sibley Street
Grafton, MA 01519

Phone: (617) 839-3755

Hours: 9:00-Noon Monday-Friday

Profile: Works to raise money for developing, preserving, restoring, and maintaining waterfowl habitat on the North American Continent. Offers environmental information, brochures, and pamphlets.

Newsletter: "Ducks Unlimited News", 2/year, free to members

Contact: Colton H. Bridges, New England Regional Supervisor

ENVIRONMENTAL LOBBY OF MASSACHUSETTS
3 Joy Street
Boston, Ma 02108

Phone: (617) 742-2553

Hours: 8:30-5:00

Profile: Works to promote sound environmental legislation. Formerly called the Massachusetts Forest and Park Association.

Fee: Membership $15 and up

Newsletter: "Environmental Legislative Bulletin", 6/year, free to members

Contact: Kelly McClintock, Executive Director; Judy Shope, Director of Lobbying

LEAGUE OF WOMEN VOTERS OF MASSACHUSETTS
8 Winter Street
Boston, MA 02108

Phone: (617) 357-8380

Hours: 9:00-4:30 Monday-Friday

Profile: The League works to foster education in citizenship and to support needed legislation; to stimulate public affairs activities; to encourage interest in government and the nation's problems; and to promote civil participation, especially registration and voting. It also offers voter services, referral, advocacy on natural resource issues, and publications and conferences.

Newsletter: "The Voter", 10/year, free to members

Contact: Barbara Fegan, Coastal Specialist, Natural Resources Director

LLOYD CENTER FOR ENVIRONMENTAL STUDIES
430 Potomska Road
South Dartmouth, MA 02748

Phone: (617) 990-0505

Hours: Building: 9:00-5:00 Tuesday-Sunday
Grounds: open 365 days per year

Profile: The center provides educational programs and promotes, supports, and initiates research on coastal and estuarine ecosystems; works to monitor, manage, and inventory these natural resources through extensive long-term research. Offers educational group programs for first grade through senior citizens, teacher workshops, interpretive trails, exhibits, Buzzards Bay observation deck, and aquaria of estuarine organisms. Produces Buzzards Bay Project Citizens Advisory Committee Newsletter.

Fee: Admission is free; membership $10 and up.

Contact: Alan Lee Hankin, Executive Director

MANOMET BIRD OBSERVATORY
P.O. Box 936
Manomet, MA 02345

Phone: (617) 224-6521

Hours: 9:00-5:00 Monday-Friday

Profile: The Observatory works to anticipate potential conservation and wildlife problems and to gather the relevant baseline information before there is a crisis. Offers technical and environmental information and services, educational information and services, tours by appointment, and occasional preliminary research reports.

Newsletter: 4/year, free to members.

Contact: Linda Leddy, Executive Director

MASSACHUSETTS ASSOCIATION OF HEALTH BOARDS
111 Atlantic Avenue
Cohasset, MA 02025

Profile: Represents local health boards and individuals concerned about public and environmental health, tracks legislation effecting local boards of health. Also offers a legal advisory counsel to help answer questions from local boards as well as give legal advice and interpretations on various environmental health issues.

Newsletter: Quarterly

Contact: Barbara Kern, (617) 383-0693; Marcia Benes, (617) 695-1128

MASSACHUSETTS ASSOCIATION OF CONSERVATION COMMISSIONS
LINCOLN FILENE CENTER
Tufts University
Medford, MA 02155

Phone: (617) 381-3457

Hours: 9:00-5:00

Profile: Helps municipal conservation commissions and interested citizens preserve and protect community natural resources. Offers a question and answer hotline; non-credit workshops and conferences; an extensive list of publications, videos, and slides for sale or loan; speakers' bureau; legal, procedural, and technical assistance; and legal representation and action.

Fee: For cost-recovery only

Newsletter: "MACC Newsletter", 8/year, free to members

Contact: Executive Director

MASSACHUSETTS AUDUBON SOCIETY HEADQUARTERS
South Great Road
Lincoln, MA 01773

Phone: (617) 259-9500

Hours: 9:00-5:00 Monday-Friday

Profile: Works to further conservation, education, and research in the areas of water resources, ecosystem conservation, and energy transition. Offers educational, technical, and environmental information; coastal policy analysis; audio-visual materials and publications; Coastal Education Centers in Wellfleet, Marshfield, Wenham, Martha's Vineyard, and Falmouth; and Resource Centers in Gloucester and Boston.

Newsletter: "Sanctuary", 10/year, free to members

Contact: Douglas Fine, Public Information Officer

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SEA GRANT INFORMATION CENTER
Building E38-306
292 Main Street (Kendall Square)
Cambridge, MA 02142

Phone: (617) 253-5944 (Monday, Wednesday, and Thursday)
(617) 253-7041 (Monday-Friday)

Hours: Information Center open 9:00-5:00 Monday-Friday

Profile: Works to collect and disseminate MIT Sea Grant research results to potential user groups, and encourages applications of our research results to current marine and coastal problems. Offers information and/or referral. Non-circulating collection of reports and journals open to the public, including fisheries and aquaculture reports from other Sea Grant Programs and FAO. Free guides: Marine-Related Research at MIT and The Citizen's Guide.

Newsletter: "Quarterly Report", free

Contact: Susan Stolz Goldie, Librarian and Information Specialist

MASSACHUSETTS HARBORMASTERS ASSOCIATION
c/o Captain Bob Francis, Scituate Harbor Master
Town Pier
Scituate, MA 02060

Phone: (617) 545-2130

Hours: Inquiries by letter preferred

Profile: Promotes effective coastal harbor management and engages in regulatory enforcement.

Contact: Bob Francis, President and Scituate Harbormaster

MASSACHUSETTS INSHORE DRAGGERMEN'S ASSOCIATION
460 Main Street
Marshfield, MA 02050

Phone: (617) 837-5159

Hours: Flexible

Profile: Works to establish cooperation among various segments of the industry, works for favored legislation, encourages good conservation measures, and attempts to improve conditions of the fisheries. Offers educational and environmental information and regulatory enforcement.

Newsletter: "MIDA Newsletter", 8/year

Contact: Caitlin Morris, Executive Director

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION
8 Otis Place Box 9101
Scituate, MA 02066-6984

Phone: (617) 545-6984

Hours: 8:00-5:00 (answering machine after hours)

Profile: Works to protect and foster the species through sensible harvesting and conservation methods, to strengthen law enforcement, to promote understanding and cooperation among lobstermen, and to provide a forum for information exchange among members. Offers technical consulting, legal information, limited market and economic information, and boat health/disability/life insurance cooperative for members.

Fee: Membership $75 per year

Newsletter: "MLA newsletter", 12/year, free

Contact: Ray D. Tate, Executive Director

MARINE BIOLOGICAL LABORATORY
PUBLIC INFORMATION
Woods Hole, MA 02543
(Street Address: Water Street)

Phone: (617) 548-3705 ext. 423 (answered 8:00-5:00 Monday-Friday)

Hours: Inquiries by letter or appointment

Profile: MBL works to provide facilities for education and research in fundamental and marine biology from a wide range of perspectives. Offers teaching and research; world-reknowned library of marine biology, biomedicine, and marine science-related journals and books; public tours in summer; "MBL Day" open house in August; and lectures and symposia. Publishes "MBL Science" and "Collecting Net".

Fee: Associates dues $50 per year

Newsletter: "Collecting Net", 6/year, free

Contact: George Liles, Public Information Director; Christine Pauk, Public Information Associate.

MARTHA'S VINEYARD SHELLFISH GROUP
P.O. Box 1552
Oak Bluffs, MA 02557

Phone: (617) 693-0391

Hours: By appointment

Profile: Developing long-range shellfish management plans for commercially important species on Martha's Vineyard. Offers technical services, site visits, and lectures; developing field and hatchery methods for the culture of quahogs and bay scallops; operates a solar-assisted shellfish hatchery.

Specialties: Aquaculture, shellfisheries, hatcheries.

Contact: Richard C. Karney, Marine Biologist

MASSACHUSETTS AQUACULTURE ASSOCIATION
P.O. Box 154
West Yarmouth, MA 02673
(Street address: c/o Cape Cod Extension Service, Deeds and Probate Building, Barnstable)

Phone: (617) 362-2511 ext. 204 (answered 8:00-4:30)

Profile: Works to promote aquaculture and improve the potential for aquaculture production in Massachusetts. Offers educational services about aquaculture, advisory and referral services, information exchange, and technical assistance for growers. Lectures and exhibits upon request.

Fee: Free to the public

Contact: Karl Rask, Regional Marine Resource Specialist

MASSACHUSETTS MARINE EDUCATORS
P.O. Box 241
Newtonville, MA 02160

Phone: (617)332-9360
(617)773-6350 ext.2 (9:00-5:00)

Profile: MME works to promote awareness of the ocean world by integrating marine curriculum materials into existing curricula. MME works with teachers, schools, and educational organizations, and presents a variety of educational programs and services: monthly seminars, workshops, annual marine science conference, high school symposium and contest, annual whale watch, curriculum packets, advisory services to marine educational programs, and a library.

Newsletter: "Flotsam and Jetsam", 10/year, free to members

Contact: Barbara Passero, Executive Director; Editor Philip McLaren, Biology Dept., Eastern Nazarene College

MASSACHUSETTS MARITIME ACADEMY
MARINE FISHERIES EDUCATION AND TRAINING PROGRAM
Buzzards Bay, MA 02532

Phone: (617) 759-5761

Hours: 9:00-5:00 Monday-Friday

Profile: MMA is devoted to education and research. MMA is sponsored in part by the MIT Sea Grant College Program. It offers courses; lectures; conferences; summer programs; field trips; advisory services; and reference, referral, and library services.

Fee: Low or no fee

Contact: David L. Kan, Director

MASSACHUSETTS SHELLFISH OFFICERS ASSOCIATION
c/o Natural Resources Department
South Yarmouth, MA 02664

Phone: (617) 394-3508

Hours: 8:30-4:30 Monday-Friday

Profile: Works to aid and promote the general welfare of the shellfisheries and all marine-related activities in Massachusetts. Offers technical information and services, educational materials, legal information, referral to local constables, and regulatory enforcement.

Fee: Membership $15 per year

Contact: Morris Johnson, Acting Secretary

MASSACHUSETTS WILDLIFE FEDERATION
P.O. Box 31
Natick, MA 01760

Hours: Inquiries by letter

Profile: MWF promotes education and citizen awareness through its various programs, and offers educational and environmental information.

Fee: Membership $10 per year

Newsletter: "Massachusetts Out-Of-Doors"

Contact: L. Smith

MASS CLEAN
56 Taunton Street
Plainville, MA 02762

Phone: (617) 695-1128

Profile: Citizens working together as advocates of the environment. Offers education on local environmental issues and encourages local officials to serve public interest. Focuses on protection of natural resources and compliance with environmental laws.

Newsletter: "Mass Clean News", $5 annually.

NATIONAL COALITION FOR MARINE CONSERVATION ATLANTIC REGION
c/o C.M. Weld
One Post Office Square
Boston, MA 02109

Phone: (617) 338-2909 and (912) 234-8062

Hours: 9:00-5:00

Profile: Works to protect the productivity of the Ocean's renewable resources for the benefit of all users through the prevention of overfishing and pollution. Offers advisory services within the organization's very specialized fields.

Specialties: Conservation of oceanic fish stocks, protection of fish habitat and the marine environment, coastal zone issues and political action at the national level.

Newsletter: "Marine Bulletin", 12/year, free

Contact: Christopher Weld, President; Ken Hinman, Executive Director

NATIONAL PARK SERVICE (DOI)
OFFICE OF SCIENTIFIC STUDIES
15 State Street
Boston, MA 02109

Phone: (617) 223-7765 and (617) 223-0191

Hours: 9:00-5:00

Profile: Works to manage national parks, monuments, seashores, recreation areas, and historical areas for resource preservation and compatible recreational use.

NATIONAL SEA GRANT DEPOSITORY
NATIONAL SEA GRANT COLLEGE PROGRAM (NOAA)
University of Rhode Island, Bay Campus
Narragansett, R.I. 02882

Phone: (401) 792-6114 and (401) 792-6538

Hours: 8:30-4:30 Monday-Friday

Profile: This program provides information on literature produced by the various State Sea Grant Programs covering such areas as: aquaculture, mineral resources, law and socioeconomics, fisheries, biomedicinals, ocean engineering, coastal zone management, marine education, marine recreation, and applied oceanography.

NEW ENGLAND ENVIRONMENTAL NETWORK
LINCOLN FILENE CENTER
Tufts University
Medford, MA 02155

Phone: (617) 381-3451 and (617) 381-3291

Hours: 9:00-5:00 Monday-Friday

Profile: The Center promotes education and research to bring together those concerned with environmental issues from throughout New England, through citizen participation and education on environmental issues. The Center offers advisory services, referrals, courses, forums, and conferences; the annual New England Environmental Conference (attracting nearly 1000 persons each March); college student environmental conference; and arranges meetings with EPA.

Newsletter: "New England Environmental Network Newsletter", 4/Year, $8

Contact: Nancy W. Anderson, Dir. of Environmental Programs; Polly Bradley, Assistant to the Director

PLYMOUTH COUNTY WILDLANDS TRUST
State Road, RFD 8
Plymouth, MA 02360
(Street address: 165 West Street, Plymouth, MA 02360)

Phone: (617) 224-2765 (answered or recording)
(617) 826-5050 (24-hour recording)

Hours: By appointment

Profile: Works for the preservation of natural areas in southeastern Massachusetts by acquiring and preserving them for the public benefit and public education on land conservation. Offers guided nature walks and other outdoor programs such as canoe and bicycle trips. Educational lectures and forums. Reference and referral services.

Fee: Occasional charges for special programs

Newsletter: "Wildlands News", free

Contact: Terry Bremer, Chairman, Board of Directors; Linda V. Hewitt, Trustee

SEA EDUCATION ASSOCIATION
P.O. Box 6
Woods Hole, MA 02543
(Street address: 171 Woods Hole Road, Falmouth, MA 02540)

Hours: 8:00-5:00

Profile: SEA works to foster a knowledge, understanding, and appreciation of the oceans by offering academic programs and the opportunity to live, work, and study at sea. SEA offers SEA semester: a full-credit undergraduate program for qualified adults. Students have 6 weeks on campus studying oceanography, maritime affairs, and nautical science; and 6 weeks of sail, study, and hands-on research on R/V WESTWARD. Tuition grants available.

Fee: Consult current catalogue

Newsletter: "Sea Quest", 4/year, $50

Contact: Sarah Graham Mann, Marketing Director; Linda LeBarre, Assistant

SLOCUMS RIVER ASSOCIATION
115 Orchard Street
New Bedford, MA 02740

Phone: (617) 999-6464

Profile: No information available at press time.

Contact: George Perkins

SIERRA CLUB
NEW ENGLAND CHAPTER
3 Joy Street, Room 12
Boston, MA 02108

Phone: (617) 227-5339

Hours: 10:00-2:00 Monday and Thursday
9:00-4:00 Tuesday and Wednesday
9:00-3:00 Friday

Profile: To protect and promote marine and coastal environments and such special concerns as: commercial fisheries, marine and coastal recreation, marine industry, conservation, coastal and marine environments, coastal and marine legislation, and offshore oil drilling. Offers technical, legal, human health, and environmental information; educations materials and services; outdoor recreation program; "New England Sierran" (regional) and "Sierra" (national) newsletters.

Fee: Membership $15-29 per year

Newsletter: "New England Sierran", free to members

Contact: Wanda Goldbaum, Office Manager; Priscilla Chapman, Director

THE SOUNDS CONSERVANCY, INC.
c/o Marine Sciences Institute-UCONN
Groton, CT 06340

Phone: (203) 445-1868

Hours: 9:00-5:00 Monday - Friday

Profile: Works to protect and restore the marine region of southern New England comprising coastal embayments and Nantucket, Vineyard, Rhode Island, Block Island, Fishers Island and Long Island Sounds.

Fee: Contribution, no schedule.

Funding Program: TSC's "Marine Conservation Education and Research Program" awards research grants to students (currently restricted to undergraduate level) for projects undertaken in the region served by TSC. A descriptive brochure and application form are available SASE.

Newsletter: "Special Report", periodically, free to Associates.

Contact: Christopher Percy, President

SOUTHEASTERN MASSACHUSETTS UNIVERSITY
BIOLOGY DEPARTMENT, MARINE SCIENCES PROGRAM
North Dartmouth, MA 02747

Phone: (617) 999-8024 and (617) 999-8208

Hours: 8:30-4:30

Profile: The Biology Dept. Marine Sciences Program educates undergraduate and graduate marine science and marine engineering students to conduct research in marine sciences and marine

engineering. The program further offers advisory, reference, and referral services; use of library; courses; periodic workshops, conferences, and summer programs; and seminars and special lectures.

Fee: Varies

Contact: Director, Marine Sciences Program; Francis X. O'Brien, Chairman, Biology Department

STRIPERS UNLIMITED, INC.
P.O. Box 45
South Attleboro, MA 02703

Phone: (617) 761-7983

Hours: 7:30-3:30, Monday-Friday

Profile: Works to promote, preserve, and protect striped bass and its environment. Offers a lecture and slide show.

Fee: $10 per year

Newsletter: "Massachusetts Out-Of-Doors", 12/year, free to members

Contact: Avis E. Boyd, Secretary; Robert B. Bond, Director

TAUNTON RIVER WATERSHED COUNCIL, INC.
Taunton Conservation Commission
Taunton, MA 02780

Phone: (617) 822-6963

Profile: The Taunton River Watershed Council is currently undergoing a reorganization. Past efforts have centered around river-related conservation issues in towns through which the Taunton River flows.

Contact: Leon Bunk

THORNTON W. BURGESS SOCIETY MUSEUM
GREEN BRIAR NATURE CENTER
6 Discovery Hill Road
East Sandwich, MA 02537

Phone: (617) 888-6870 (9:00-4:00 Monday-Saturday)

Hours: Summer: 10:00-4:00 Monday-Saturday, 1:00-4:00 Sunday
(Call for January-March)

Profile: The Center provides public and school environmental education, research, and conservation; courses; field trips; summer programs; lectures; tours; whale watches; library; and publications.

Fee: Please consult schedule

Newsletter: 3/year, free to members

Contacts: Robert McMaster, Director, Green Briar Nature Center; Nancy Titcomb, Director, Thornton W. Burgess Museum

THE COMPACT OF CAPE COD CONSERVATION TRUSTS, INC.
Science Building, Cape Cod Community College
West Barnstable, MA 02668

Phone: (617) 362-9131

Profile: The Compact is a regional federation of conservation land trusts on Cape Cod. The Compact provides technical assistance on issues related to land trusts and acquisition and management of conservation land.

Contact: Mark H. Robinson, Executive Director

TRUSTEES OF RESERVATIONS
572 Essex Street
Beverly, MA 01915

Phone: (617) 921-1944

Hours: 9:00-5:00 Monday-Friday

Profile: Works to preserve places of natural beauty and historic interest within Massachusetts for the public. Offers services to coastal reservations, and refuges in Ipswitch, Cape Ann, Martha's Vineyard, and Nantucket. Call for more detailed information on coastal matters.

Newsletter: "Trustees of Reservations Newsletter", 4/year

Contact: Frederick Winthrop Jr., Director; William Clendaniel, Deputy Director

UNIVERSITY OF MASSACHUSETTS
COLLEGE OF FOOD AND NATURAL RESOURCES
OFFICE OF MARINE RESOURCE
Holdsworth Natural Resources Cntr.
Amherst, MA 01003

Phone: (413) 545-2757 and (413) 545-2049

Hours: 8:00-5:00

Profile: The UMass Office of Marine Resources works to coordinate and facilitate research and extension activities in the areas of coastal/marine resources and foods. This program also provides advisory services, workshops, courses, research, and expertise for Commonwealth needs.

Contact: Michael Ross, Director, Office of Marine Resources; Robert Biagi, Associate Director

UNIVERSITY OF MASSACHUSETTS
COOPERATIVE EXTENSION - COMMUNITY RESOURCE DEVELOPMENT PROGRAMS
214 Stockbridge Hall
Amherst, MA 01003

Phone: (413) 545-0027
(617) 362-2511, Cape Cod Office
(617) 669-6744, Bristol County Office

Hours: 8:30-5:00 Monday-Friday and by appointment

Profile: The UMass Cooperative Extension's Community Resource Development Programs assist communities, municipalities, small-scale businesses, citizen groups, local governments, and other local leaders and development organizations with decision-making and planning by providing information, organizational assistance, and training.

UNIVERSITY OF MASSACHUSETTS
CARTOGRAPHIC INFORMATION RESEARCH SERVICES
NATIONAL CARTOGRAPHIC INFORMATION CENTER
102-D Hasbrouck Laboratory
Amherst, MA 01003

Phone: (413) 545-0359

Hours: 9:00-4:00 Monday-Friday

Profile: The UMass Center provides cartographic information, regardless of its location, to any and all users as expeditiously as possible. The Center will attempt to locate or select and order various kinds of maps and cartographic information, including aircraft and space imagery. The cartographic office has the only image browse facility in the Northeast which allows the user to review data before its purchase.

The center also offers over a dozen publications and many fact sheets are available; meetings and workshops; slide/tapes; training; consulting, technical assistance, organizing, and educational services; provides access to latest research, new skills, and planning capabilities.

Specialties: All cartographic, photographic, and digital information available from the federal government and private firms.

Contact: Dennis J. Swartwout, Director; John O'Keefe, Research Assistant; Rick Feldmen, State Program Leader

UNIVERSITY OF MASSACHUSETTS
CRANBERRY STATION
Glen Charlie Road
East Wareham, MA 02538

Phone: (617) 295-2212

Profile: The Cranberry Station conducts extension programs and specialized research in specific problems of the cranberry industry. Pesticides research relative to the cranberry industry and problems of estuarine pollution receive major attention. A water quality research laboratory is fully functional.

UNIVERSITY OF MASSACHUSETTS
DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT
Holdsworth Hall
Amherst, MA 01003

Phone: (413) 545-2257 and (413) 545-2757

Hours: 8:30-5:00

Profile: The Department works to train undergraduate and graduate students in marine fisheries, conductd research applicable to the needs of marine fisheries resource agencies, and disseminates information via cooperative extension activities. The Department offers Marine option in degrees for wildlife and fisheries biology at the B.S., M.S., and Ph.D. levels. Extensive activity related to marine resources.

Contact: Department Chairman

UNIVERSITY OF MASSACHUSETTS
MARINE STATION
P.O. Box 128
Lanesville Station
Gloucester, MA 01930
(Street address: 932 Washington Street)

Phone: (617) 281-1930

Hours: 8:30-5:00 Monday-Friday

Profile: The UMass Marine Station provides education and research on a wide variety of marine issues to serve the Massachusetts public.

Special interests include: fish processing, fish biology and population studies, marine resource economics, coastal tourism, biology of coastal ecosystems, water management, waste disposal problems, shellfish biology and processing, and nutritional value of seafoods.

This program offers advice, education, and public assistance through our own Extension Service.

Contact: Herbert O. Hultin, Professor

UNIVERSITY OF MASSACHUSETTS
WATER RESOURCES RESEARCH CENTER
Blaisdell House
University of Massachusetts
Amherst, MA 01003

Phone: (413) 545-2842

Profile: The objectives of the Water Resources Research Center are to promote interdisciplinary research on water resources and consultation to public agencies and citizens groups on water resource problems. Research is directed to problems of water quality, hydrology, wetlands, recreation, groundwater, and coastal waters.

UNIVERSITY OF RHODE ISLAND
DIVISION OF MARINE RESOURCES LIBRARY
Watkins Building, Bay Campus
Narragansett, R.I. 02882-1197

Phone: (401) 792-6211 (answered or recording)

Hours: 8:30-4:30

Profile: The library of the University of Rhode Island Division of Marine Resources specializes in such topics/issues as: coastal zone management, commercial fisheries, marine recreation, aquaculture, pollution, and marine resources.

The library offers referral services (on-site use of library suggested as staffing does not permit extensive request responses), inter-library loans, photocopies of some informational materials, and access to URI Sea Grant publications and Marine Advisory Service.

Fee: For cost-recovery only

Newsletter: "Marine Resources Information", 6/year, $3 start-up fee

Contact: Jane S. Miner, Publications Coordinator

WAQUOIT BAY NATIONAL ESTUARINE RESEARCH RESERVE
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Forests and Parks
P.O. Box 66
So. Carver, MA 02366
(Street address: Cranberry Road)

Phone: (617) 866-2580 (8:00-5:00) and (617) 727-9681

Hours: Pending - call first

Profile: The Waquoit Bay facility promotes education, estuarine research, interpretation, and conservation. It also offers information on shellfishing, sportfishing, boating, camping, salt marshes, tidal areas, beaches, eel grass, and hydrology.

WEB OF LIFE OUTDOOR EDUCATION CENTER, INC.
Main Street
P.O. Box 530
Carver, MA 02330

Phone: (617) 866-5353 (9:00-5:00 Monday-Friday)
(617) 866-5354

Hours: By appointment

Profile: The Web of Life Center is a non-profit education and research facility, working towards increasing public knowledge concerning the biology of local flora/fauna and environmental issues (particularly pesticides). Also, the center conducts research on marine mammal populations in the Gulf of Maine; whale research and education; an original slide library (over 3,000) illustrating cetacean biology and behavior and a collection of cetacean structural remains and artifacts; whale watching trips for school groups and the general public (daily whale watches April-October); day field trips for schools; 5-day residential ecology programs for schools; and lectures on whales, wildflowers, local mammals, reptiles, and wildlife rehabilitation.

Fee: Whale watches $11-15

Contact: David Wiley, Director of Education; Sharon Young, Program Director

WESTPORT RIVER WATERSHED ALLIANCE
Box C-103
1151 Main Road
Westport, MA 02790

Phone: (617) 636-3016

Profile: To promote and preserve the ecological balance of the Westport River watershed and its coastal environs on Buzzards Bay (located in Westport, Bristol County, Massachusetts), its marshes and the contiguous upland, to the end that the aesthetic and recreational value of these areas may be maintained and improved for the benefit of the public, present and future. In pursuit of this objective the Alliance (Fund) will undertake or support the study of those factors that may disturb as it deems feasible. It will also publish and otherwise bring to the attention of the public, (the residents of Westport,) and appropriate public agencies and officers, its findings and recommendations to enable them to make enlightened decisions concerning preservation of the River's ecosystem.

Fees: Membership $5 and up

Newsletter: "River News", published bi-monthly

Contact: Peter Lavigne, Executive Director

WOODS HOLE OCEANOGRAPHIC INSTITUTION
Woods Hole, MA 02543

Phone: (617) 548-1400

Hours: 8:00-5:00 Monday-Friday

Profile: WHOI maintains a professional staff of marine scientists to pursue research in marine science and publish research results. WHOI is a private non-profit marine research laboratory which offers a graduate education program. In addition, WHOI publishes "Woods Hole Notes" newsletter as well as "Oceanus", and other general publications and technical reports.

Newsletter: "Oceanus", 4/year, $20

Contact: Shelly Lauzon, Publications and Information Manager

WOODS HOLE OCEANOGRAPHIC INSTITUTION
SEA GRANT PROGRAM
Woods Hole, MA 02543

Phone: (617) 548-1400 ext. 2398

Hours: 9:00-4:00

Profile: The Sea Grant Program works to promote the understanding, assessment, development, utilization, and conservation of the coastal and ocean resources of Massachusetts and the nation. Specific topics/issues of interest include: sand transport, red tide, shellfish, pollution, coastal and ocean policy, and some aspects of aquaculture.

IV. FUNDING SOURCES

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS)
Paul Russell, County Executive Director
2510 Cranberry Highway
Wareham, MA 02571

Phone: (617) 295-6860

Profile: The Agricultural Stabilization and Conservation Service administers programs that supply cost-sharing funds for the completion of conservation practices on the land. Objectives of these practices are to preserve and improve the soil, reduce or abate water pollution caused by soil erosion, increase the production of timber and wood products, and provide permanent wildlife habitat. Cost-sharing funds are distributed to eligible participants by the ASCS County Committee through the Agricultural Conservation Program (ACP) and the Forestry Incentive Program (FIP).

Contact: David Rose, County Executive Director, Barnstable, Bristol, Dukes, and Nantucket Counties, Center Street, Segregansett, MA 02774 (tel. 617-669-6621)

COASTAL ZONE MANAGEMENT (MCZM)
COASTAL FACILITIES IMPROVEMENT PROGRAM (CFIP)

Profile: The CFIP is intended to provide financial assistance on a "reimbursable" basis to coastal cities and towns so that they can plan for, construct, reconstruct, maintain, and improve their public coastal facilities. The Program will reimburse communities for up to 50% of the total cost of a project on a dollar-for-dollar basis, up to $1 million for a single project and not more than $1.5 million for more than one project. Communities with approved projects can make their dollar-for-dollar match in the form of in-kind services; or with revenues from municipal bonds, bequests, gifts, and contributions by the federal, state, or municipal governments; or by individual corporations or associations. It is important to understand that once a project gets underway, reimbursement may not occur until the local municipality (grantee) has demonstrated that at least 50% of the approved project has been completed. The terms of reimbursement will be clearly stated in the final award contract between the MCZM Office and the grantee.

The basic criteria for eligibility for this reimbursement improvement program include:

- the community must be a "coastal community" as defined in the MCZM Program Plan;

- the project site must be public (land or property must be owned and maintained by a municipality or by the Commonwealth), and it must be one of the following:

  - determined to be "substandard" by the Secretary of Environmental Affairs,

  - located within a Commercial Area Revitalization District ("CARD"),

- located within a Special Assistance Development Area ("SADA") as listed in the MCZM Program Plan, or

- located within a "Designed Port Area" as listed in the MCZM Plan.

Many types of improvement projects will be allowed under the Coastal Facilities Improvement Program. They include, but are not limited to, the construction or repair of the following: bulkheads, ripraps, piers, wharves, docks, floats, beaches, or other structures used for fishing, marine industry or commerce, marine recreation, tourism, or public access purposes. Other allowable facilities include public upland platforms, public buildings containing harbor-related facilities for fish handling or storage, parking facilities, and walkways necessary for access to a waterfront facility.

Interested communities should contact the MCZM Office to discuss proposed projects prior to submitting applications.

Contact: Joseph E. Pelczarski, Massachusetts Coastal Zone Management Office, 100 Cambridge Street, Room 2006, Boston, MA 02202, tel. (617) 727-9530; or Susan R. Moor, CZM Southeast, 100 Old Westport Road, N. Dartmouth, MA 02747, tel. (617) 994-9728

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (DEM)
DIVISION OF PLANNING
100 Cambridge Street
Boston, MA 02202

Phone: (617) 727-3160

Profile: In the past, monies have periodically been available from DEM for land acquisition. Although there is no currently ongoing program, the state legislation has funded (and may again fund) land acquisition programs for recreation and conservation, river protection, development of trail systems, and coastal land acquisition.

Contact: Rodney Brown, Coastal Planner

DEQE DIVISION OF WATER POLLUTION CONTROL
MASSACHUSETTS CLEAN LAKES PROGRAM

Profile: Chapter 628, MGL 1981, authorized $3 million per year of state monies to be specifically expended for restoration or preservation of the Commonwealth's lakes and great ponds. A 1975 inventory of lakes in Massachusetts identified 1636 lakes 10 or more acres in size. According to Administrative Regulations and Guidelines developed, grants will be awarded to public entities to undertake diagnostic-feasibility studies of publicly-owned lakes and ponds. If restoration or preservation is found to be feasible, additional grants will be awarded to undertake the recommended actions.

Based on the studies already completed and backlog of requests in hand, it is felt that applications will exceed the funding authorization for the foreseeable future. Applications are prioritized in accordance with criteria specified in the guidelines, and grants are awarded to the highest priority projects to the limit of annual funding. When it is found that restoration or preservation is not feasible, the lake or pond may be eligible for consideration for maintenance actions for weed or algae control.

Who Applies: All Massachusetts cities and towns are eligible.

Contact: Richard McVoy, Division of Water Pollution Control, Lyman School, Westborough, MA 02108, tel. (617) 366-9181

EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DIVISION OF CONSERVATION SERVICES

The Division of Conservation Services administers three grant-in-aid programs: the Self-Help Program, the Urban Self-Help Program, and the Federal Land and Water Conservation Fund.

The Self-Help Program

Profile: Established in 1961, the Self-Help Program assists municipalities in acquiring land for conservation and passive recreation purposes. In order to be eligible for this program, a municipality must have an established conservation commission.

The intent of the Self-Help Program is to preserve lands and waters in their natural state. Foremost, this program protects areas which contain unique natural, historical, or cultural features or extensive water resources.

The funds for this program may be used only for the acquisition of land for conservation or passive recreation purposes. Development of facilities on land acquired with Self-Help monies is therefore limited. The cost of any development which occurs on these lands must be absorbed by the municipality, and is not eligible for reimbursement under the Self-Help Program.

This program provides for the reimbursement of funds actually expended by a municipalty to acquire land or interests therein, including ancillary acquisition costs. Reimbursement of up to 80% is possible for approved costs.

Contact: Joel Lerner, Division of Conservation Services, 100 Cambridge Street, Boston, MA 02202, tel. (617) 727-1552

The Urban Self-Help Program

Profile: The Urban Self-Help Program was established in 1977 to assist cities and urban towns in acquiring land for park and recreation purposes. Any city or town with a population of 35,000 or more, which has a park or recreation commission and a conservation commission, is eligible to participate. Reimbursement of up to 90% of the total cost is possible.

A 1983 amendment to the program now permits grants for development and grants to communities which do not meet the population criteria listed above for projects that have regional or statewide significance.

Only projects which are to be developed for suitable outdoor recreation purposes, whether active or passive in nature, shall be considered for funding. Proposed uses and development plans must be submitted with the application for funding.

Contact: Joel Lerner, Division of Conservation Services, 100 Cambridge Street, Boston, MA 02202, tel. (617) 727-1552

Federal Land and Water Conservation Fund

Profile: Established in 1965, the Land and Water Conservation Fund provides for the reimbursement of up to 50% of the costs for acquiring and/or developing lands for outdoor recreation use. Funds are also available for the development of a statewide plan (the State Comprehensive Outdoor Recreation Plan).

The National Park Service, the federal agency which administers this program nationally, will consider only those acquisition and development proposals which are consistent with the State Comprehensive Outdoor Recreation Plan (SCORP). The funds for this program are annually appropriated by Congress, and apportioned to the Commonwealth for allocation by the State Liaison Officer among state agencies and municipalities. The Secretary of Environmental Affairs is the designated State Liaison Officer.

The three major types of projects acceptable by the National Park Service are:

- Acquisition--of land and/or water or partial rights to them;
- Development--of certain outdoor recreation activity and support facilities needed by the public for use of the area; and
- Combination--projects which encompass both acquisition and development.

Contact: Joel Lerner, Division of Conservation Services, 100 Cambridge Street, Boston, MA 02202, tel. (617) 727-1552

EXECUTIVE OFFICE OF COMMUNITIES AND DEVELOPMENT (EOCD)
STRATEGIC PLANNING GRANTS

Profile: Strategic Planning Grants are being made available by EOCD to enable communities to plan for balanced growth or change. This means allowing for a balance of housing opportunities, infrastructure, and economic development, together with protection of natural and cultural resources. What is meant by housing opportunities is housing which is affordable to households with incomes historically typical of the community and/or for households with lesser income.

The Executive Office of Communities and Development administers Strategic Planning Grants for municipalities. These funds are for communities submitting proposals for one-year, community-wide planning projects. Such projects should: 1) relate to the management of growth or change within the community; 2) involve planning for affordable housing; and 3) focus on the solution of not more than three related planning problems. These funds are neither for master planning nor for site specific project planning. The availability of the funds is contingent upon legislative appropriation.

Contact: Kathleen Bartolini or Elizabeth Pasierb, at (617) 727-3197 or (800) 392-6445

FARMERS HOME ADMINISTRATION (FHA)

Profile: The Farmers Home Administration makes loans accompanied by technical management assistance to farmers and rural residents. Activities include:

- Rural housing loans, and loans to farmers and rural residents in areas with populations of up to 10,000, to construct, improve, or repair dwellings and farm service buildings. Farm ownership loans help farmers obtain the resources needed to improve their living conditions and farm successfully. Loans are made to buy farms or land; enlarge farms; construct or repair buildings; improve land; develop water, forestry, and fish farming resources; and establish recreational enterprises to supplement farm income and to refinance debts.

- Farm operating loans which may supplement home operating needs are made to eligible owners or operators of not larger than family farms.

- Soil and water conservation loans are made to eligible farm owners or operators to develop, conserve, and make better use of their natural resources.

- Loans and grants are available to public, non-profit organizations primarily serving rural residents to plan and develop domestic water supply and waste disposal systems.

- Soil and water loans are made to eligible groups of farmers to develop irrigation systems, drain farmlands, carry out soil conservation measures, and shift land use to develop grazing areas and forest lands.

- Emergency loans are made to farmers in designated areas where natural disasters have caused a temporary need for credit not available from other sources.

- Resource Conservation and Development loans are available to public agencies and private non-profit corporations, for natural resources conservation and development such as outdoor recreational facilities.

- Watershed loans are made to local organizations to help finance projects that protect and develop land and water resources in small watersheds.

- Rural renewal loans and technical assistance are available on a limited basis to public agencies and private non-profit organizations located in designated rural renewal areas where family incomes are abnormally low.

Contact: Vivian Bruckel, County Supervisor, 160 MacArthur Blvd., Bourne, MA 02532, tel. (617) 759-2136; Charles Gerard, County Supervisor, 543 Old Townhouse Road, S. Yarmouth, MA 02664, tel. (617) 398-0119

MASSACHUSETTS CENTERS OF EXCELLENCE CORPORATION
Marine Science Center
One Ashburton Place, Room 2110
Boston, MA 02108

Phone: (617) 727-7430 and (617) 727-8380

Hours: 9:00-5:00 Monday-Friday

Profile: The Massachusetts Centers of Excellence Corporation was created to promote and encourage technologies with potential for the future of the Massachusetts economy. Marine science is one of the four areas specified in its charter. Offers grants for research.

Contact: Gary Glenn, Project Director, Marine Science

SEWER AND WATER

This section describes the major sources of federal and state funding available to assist urban areas in meeting their sewer and water needs. These programs are administered by the Executive Office of Environmental Affairs, and form a critical link in ensuring adequate physical capacity to accommodate growth. The 201 Program provides a community with funding for the planning, design, and construction of sewers and wastewater treatment facilities. A recently enacted state law is also described, which will provide funding for the construction of lateral sewers and collection systems which can assist an urban area in creating or retaining employment opportunities.

Of equal importance to urban areas is the continued adequacy of the Commonwealth's drinking water supply. Many older urban areas face a variety of water supply problems, including the need to rehabilitate old water distribution systems and to treat contaminated supplies.

Sewer Collection System Grants (DEQE Division of Water Pollution Control)

Profile: Enacted in 1979, this program now provides $25 million per year in state grant funds through fiscal year 1989 to construct sewer systems for which federal aid is not available. Grants are to be made in an amount not to exceed 50% of a project's cost or $3 million, whichever is less, and are made in accordance with a priority system established under Division of Water Pollution Control regulations. The Division has established two separate sets of priority criteria: one for ranking "economic benefit sewer projects", and the second for ranking "collection system projects".

With respect to economic benefit projects (4.0 set aside each year), only projects that assist in creating or retaining long-term employment opportunities will be considered for funding. A complete project information form must be submitted, and the project must appear on the "fundable" list before a grant application can be made.

Who Applies: Any Massachusetts public entity may submit to the Division a sewer collection system project, for inclusion on either the economic benefit or collection priority list, by completing and filing the appropriate project information form prior to December 1st preceding each fiscal year.

Contact: Leo Andronico, Division of Water Pollution Control, 1 Winter Street, Boston, MA 02108, tel. (617) 292-5681

Sewage Treatment Construction Grants (Federal-State-EPA-DWPC)

Profile: This program provides federal and state funding on a matching basis for construction of wastewater treatment and collection facilities (that is, for sewers and for sewage treatment plants). The State Division of Water Pollution Control administers the "201" program. Under the terms of the program, the Environmental Protection Agency pays for 75% of project cost, and state and local government share the remainder on a 15%-10% basis. The construction grant process consists of three steps, each requiring a complete application prior to funding: Step 1 involves facilities planning, Step 2 is for final design, and Step 3 is for the actual construction financing. The Clean Water Act of 1977 requires "201" grant recipients to analyze alternative and innovative treatment processes; and furthermore, the Act provides for grants of 85% of allowable construction costs for treatment works that use alternative and innovative treatment processes.

Who Applies: All Massachusetts cities and towns are eligible for the "201" program.

Contact: Thomas C. McMahon, Division of Water Pollution Control, 1 Winter Street, Boston, MA 02108, tel. (617) 292-5643

METER MODERNIZATION PROGRAM
(DEQE Division of Water Supply)

Profile: The Department of Environmental Quality Engineering (DEQE) is authorized, under Chapter 786 of the Acts of 1985, to expend up to $15 million for grants to cities, towns and districts, and water and sewer commissions of the Commonwealth for developing an ongoing program of meter installation, modernization, or rehabilitation; or centralized utility metering for public water supply systems. This is to be matched by an equal amount appropriated by the city, town, district, or commission may be provided. Standards, guidelines, criteria, and priorities for the administration of these funds include: the age of the system, the need to install or replace meters, the percentage of the system currently metered, the age of the meters being replaced or rehabilitated, the percent of the water budget which is covered by charges or fees, and the degree of cooperation among the utilities. $5 million is set aside for the installation of water meters, $5 million is set aside for an accelerated program of meter rehabilitation or replacement, and $5 million is set aside for the installation of multi-user meters shared by more than one utility.

Regulations and staffing have not been established for this program to date.

Who Applies: All Massachusetts communities and public water districts are eligible to apply.

Contact: Richard J. Gioiosa, Acting Director, Construction Grants Program, Division of Water Supply, 1 Winter Street, Boston, MA 02108, tel. (617) 292-5780

DRINKING WATER FILTRATION FACILITIES
(State-EOEA)

Profile: The Drinking Water Filtration Program funds on a 50% matching basis the construction of new drinking water facilities, or the upgrading or expansion of existing facilities. Should federal funds be provided for the construction of a water filtration plant funded by the state, the municipality or water district must reimburse the state by the amount that federal funds exceed 40% of the construction costs. At the present time, the only priority for granting awards is that those communities under boiling orders receive highest priority.

The legislature has authorized in 1985 an additional $25 million for this program, in addition to two previous authorizations totalling $100 million.

Who Applies: All Massachusetts communities (other than those in the MDC) and public water districts.

Contact: Richard J. Gioiosa, Acting Director, Construction Grant Program, Division of Water Supply, 1 Winter Street, Boston, MA 02108, tel. (617) 292-5780

LEAK DETECTION PROGRAM AND
REPAIR AND REHABILITATION OF WATER SYSTEMS
(Chapter 286, Acts of 1982, State-EOEA-DEQE)

Profile: This program will provide 50% matching grants to communities and water districts, 5% of which will go toward leak detection programs, and the remaining 95% for the rehabilitation or replacement of deteriorated or undersized water mains and associated distribution elements. In addition, only 5% of the total authorization can go to any one community or district. The Department of Environmental Quality Engineering (DEQE) has established criteria for prioritizing and ranking grant applicants, which includes measures of public health based on adverse water quality, public safety based on adequate fire protection, and system condition/deterioration.

Who Applies: All Massachusetts communities and public water districts are eligible to apply.

Contact: Richard J. Gioiosa, Acting Director, Construction Grants Program, Division of Water Supply, 1 Winter Street, Boston, MA 02108, tel. (617) 292-5780

FOUNDATIONS

There are many foundations operating both statewide and nationwide that provide assistance to communities, organizations, and occasionally individuals involved in community and environmental planning.

The Foundation Directory, published by the Foundation Center in New York, is the standard reference for information about these non-governmental grantmaking organizations, and should be used by entities wishing to explore this resource for funding.

ASSOCIATED GRANTMAKERS OF MASSACHUSETTS
294 Washington Street, Suite 501
Boston, MA 02108

Phone: (617) 426-2608

Profile: AGM is a non-profit regional association of corporate and foundation grantmakers. AGM's purpose is to promote effective philanthropy. A directory to the descriptive information on all of the foundations located in Massachusetts can be obtained from AGM. Call or write for details.

FUND FOR NEW ENGLAND
NEW ENGLAND NATURAL RESOURCES CENTER
108 Lincoln Street
Boston, MA 02111

Phone: (617) 451-3670

Hours: 9:00-5:00 Monday-Friday

Profile: This organization works to stimulate the conservation and wise use of the region's natural resources: soil, water, plant and animal resources, and associated human uses; offers SEED grants to non-profit organizations, and advice regarding other potential sources of funds.

Contact: William Humm, Executive Director